

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/014,162

DATE: 01/08/2002
TIME: 13:01:16

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01082002\J014162.raw

4 <110> APPLICANT: Usdin, Ted B.
5 Hoare, Samuel R.J.
7 <120> TITLE OF INVENTION: PARATHYROID HORMONE RECEPTOR LIGANDS
10 <130> FILE REFERENCE: NIH175.001C1
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/014,162
C--> 12 <141> CURRENT FILING DATE: 2001-12-11
12 <150> PRIOR APPLICATION NUMBER: PCT/US00/1677
13 <151> PRIOR FILING DATE: 2000-06-15
15 <150> PRIOR APPLICATION NUMBER: 60/139335
16 <151> PRIOR FILING DATE: 1999-06-15
18 <160> NUMBER OF SEQ ID NOS: 112
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 39
24 <212> TYPE: PRT
25 <213> ORGANISM: Bos taurus
27 <400> SEQUENCE: 1
28 Ser Leu Ala Leu Ala Asp Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu
29 1 5 10 15
30 Leu Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys
31 20 25 30
32 Leu Leu Val Leu Asp Ala Pro
33 35
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 38
38 <212> TYPE: PRT
39 <213> ORGANISM: Bos taurus
41 <400> SEQUENCE: 2
42 Leu Ala Leu Ala Asp Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu Leu
43 1 5 10 15
44 Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu
45 20 25 30
46 Leu Val Leu Asp Ala Pro
47 35
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 37
52 <212> TYPE: PRT
53 <213> ORGANISM: Bos taurus
55 <400> SEQUENCE: 3
56 Ala Leu Ala Asp Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu Ala
57 1 5 10 15
58 Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu
59 20 25 30
60 Val Leu Asp Ala Pro
61 35
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 36

ENTERED

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66 <212> TYPE: PRT
67 <213> ORGANISM: Bos taurus
69 <400> SEQUENCE: 4
70 Leu Ala Asp Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu Leu Ala Ala
71 1 5 10 15
72 Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val
73 20 25 30
74 Leu Asp Ala Pro
75 35
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 35
80 <212> TYPE: PRT
81 <213> ORGANISM: Bos taurus
83 <400> SEQUENCE: 5
84 Ala Asp Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu Leu Ala Ala Leu
85 1 5 10 15
86 Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu
87 20 25 30
88 Asp Ala Pro
89 35
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 34
94 <212> TYPE: PRT
95 <213> ORGANISM: Bos taurus
97 <400> SEQUENCE: 6
98 Asp Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu Leu Ala Ala Leu Glu
99 1 5 10 15
100 Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp
101 20 25 30
102 Ala Pro
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 33
108 <212> TYPE: PRT
109 <213> ORGANISM: Bos taurus
111 <400> SEQUENCE: 7
112 Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu Leu Ala Ala Leu Glu Arg
113 1 5 10 15
114 Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala
115 20 25 30
116 Pro
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 32
122 <212> TYPE: PRT
123 <213> ORGANISM: Bos taurus
125 <400> SEQUENCE: 8
126 Ala Ala Phe Arg Glu Arg Ala Arg Leu Leu Ala Ala Leu Glu Arg Arg
127 1 5 10 15
128 His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
129 20 25 30

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Input Set : A:\PTO.AMC.txt
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132 <210> SEQ ID NO: 9
133 <211> LENGTH: 31
134 <212> TYPE: PRT
135 <213> ORGANISM: Bos taurus
137 <400> SEQUENCE: 9
138 Ala Phe Arg Glu Arg Ala Arg Leu Leu Ala Ala Leu Glu Arg Arg His
139 1 5 10 15
140 Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
141 20 25 30
142 <210> SEQ ID NO: 10
143 <211> LENGTH: 30
144 <212> TYPE: PRT
145 <213> ORGANISM: Bos taurus
147 <400> SEQUENCE: 10
148 Phe Arg Glu Arg Ala Arg Leu Leu Ala Ala Leu Glu Arg Arg His Trp
149 1 5 10 15
150 Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
151 20 25 30
154 <210> SEQ ID NO: 11
155 <211> LENGTH: 29
156 <212> TYPE: PRT
157 <213> ORGANISM: Bos taurus
159 <400> SEQUENCE: 11
160 Arg Glu Arg Ala Arg Leu Leu Ala Ala Leu Glu Arg Arg His Trp Leu
161 1 5 10 15
162 Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
163 20 25
166 <210> SEQ ID NO: 12
167 <211> LENGTH: 28
168 <212> TYPE: PRT
169 <213> ORGANISM: Bos taurus
171 <400> SEQUENCE: 12
172 Glu Arg Ala Arg Leu Leu Ala Ala Leu Glu Arg Arg His Trp Leu Asn
173 1 5 10 15
174 Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
175 20 25
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 27
178 <212> TYPE: PRT
179 <213> ORGANISM: Bos taurus
181 <400> SEQUENCE: 13
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183 1 5 10 15
184 Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
185 20 25
188 <210> SEQ ID NO: 14
189 <211> LENGTH: 26
190 <212> TYPE: PRT
191 <213> ORGANISM: Bos taurus

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193 <400> SEQUENCE: 14
194 Ala Arg Leu Leu Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr
195 1 5 10 15
196 Met His Lys Leu Leu Val Leu Asp Ala Pro
197 20 25
198 <210> SEQ ID NO: 15
199 <211> LENGTH: 25
200 <212> TYPE: PRT
201 <213> ORGANISM: Bos taurus
203 <400> SEQUENCE: 15
204 Arg Leu Leu Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met
205 1 5 10 15
206 His Lys Leu Leu Val Leu Asp Ala Pro
207 20 25
210 <210> SEQ ID NO: 16
211 <211> LENGTH: 24
212 <212> TYPE: PRT
213 <213> ORGANISM: Bos taurus
215 <400> SEQUENCE: 16
216 Leu Leu Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His
217 1 5 10 15
218 Lys Leu Leu Val Leu Asp Ala Pro
219 20
222 <210> SEQ ID NO: 17
223 <211> LENGTH: 23
224 <212> TYPE: PRT
225 <213> ORGANISM: Bos taurus
227 <400> SEQUENCE: 17
228 Leu Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys
229 1 5 10 15
230 Leu Leu Val Leu Asp Ala Pro
231 20
234 <210> SEQ ID NO: 18
235 <211> LENGTH: 22
236 <212> TYPE: PRT
237 <213> ORGANISM: Bos taurus
239 <400> SEQUENCE: 18
240 Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu
241 1 5 10 15
242 Leu Val Leu Asp Ala Pro
243 20
246 <210> SEQ ID NO: 19
247 <211> LENGTH: 21
248 <212> TYPE: PRT
249 <213> ORGANISM: Bos taurus
251 <400> SEQUENCE: 19
252 Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu
253 1 5 10 15
254 Val Leu Asp Ala Pro

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255          20
258 <210> SEQ ID NO: 20
259 <211> LENGTH: 20
260 <212> TYPE: PRT
261 <213> ORGANISM: Bos taurus
263 <400> SEQUENCE: 20
264 Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val
265   1           5           10           15
266 Leu Asp Ala Pro
267          20
270 <210> SEQ ID NO: 21
271 <211> LENGTH: 19
272 <212> TYPE: PRT
273 <213> ORGANISM: Bos taurus
275 <400> SEQUENCE: 21
276 Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu
277   1           5           10           15
278 Asp Ala Pro
282 <210> SEQ ID NO: 22
283 <211> LENGTH: 18
284 <212> TYPE: PRT
285 <213> ORGANISM: Bos taurus
287 <400> SEQUENCE: 22
288 Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp
289   1           5           10           15
290 Ala Pro
294 <210> SEQ ID NO: 23
295 <211> LENGTH: 17
296 <212> TYPE: PRT
297 <213> ORGANISM: Bos taurus
299 <400> SEQUENCE: 23
300 Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala
301   1           5           10           15
302 Pro
306 <210> SEQ ID NO: 24
307 <211> LENGTH: 16
308 <212> TYPE: PRT
309 <213> ORGANISM: Bos taurus
311 <400> SEQUENCE: 24
312 His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
313   1           5           10           15
316 <210> SEQ ID NO: 25
317 <211> LENGTH: 15
318 <212> TYPE: PRT
319 <213> ORGANISM: Bos taurus
321 <400> SEQUENCE: 25
322 Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
323   1           5           10           15
326 <210> SEQ ID NO: 26

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→ Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109

L:1273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109